

## EAST Search History

## EAST Search History (Prior Art)

| Ref # | Hits   | Search Query   | DBs   | Default Operator | Plurals | Time Stamp          |
|-------|--------|--|---|------------------|---------|---------------------|
| S1    | 358    | 375/262.ccls.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2007/10/08<br>11:15 |
| S2    | 698    | 375/285.ccls.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2007/10/08<br>11:15 |
| S3    | 701    | 375/259.ccls.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2007/10/08<br>11:15 |
| S4    | 358    | 375/262.ccls.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2007/10/08<br>11:15 |
| S5    | 393    | 375/265.ccls.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2007/10/08<br>11:15 |
| S6    | 1990   | "14", "15", "16", "17", 375/265.ccls.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2004/07/22<br>12:07 |
| S7    | 2550   | ((transmit\$5 and receiv\$) same<br>(encod\$3 adj2 bit))   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2004/07/22<br>12:09 |
| S8    | 145    | ("14", "15", "16", "17", 375/265.ccls.)<br>and ((transmit\$5 and receiv\$) same<br>(encod\$3 adj2 bit))  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2004/07/22<br>12:10 |
| S9    | 3461   | ((refrain\$3 or hold\$3) adj1<br>transmi\$6)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2005/06/29<br>15:15 |
| S10   | 1      | ((("14", "15", "16", "17",<br>375/265.ccls.) and ((transmit\$5 and<br>receiv\$) same (encod\$3 adj2 bit)))<br>and (((refrain\$3 or hold\$3) adj1<br>transmi\$6)) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2004/07/22<br>12:14 |
| S11   | 1      | "5910967".PN.  | USPAT                                       | OR               | OFF     | 2004/07/22<br>12:22 |
| S12   | 426249 | (acknowledg\$3 receiv\$5) and<br>(overhead bit)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2004/07/22<br>13:14 |
| S13   | 145    | ((("14", "15", "16", "17",   | US-PGPUB;                                   | OR               | ON      | 2004/07/22          |

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|     |     | 375/265.ccls.) and ((transmit\$5 and<br>receiv\$) same (encod\$3 adj2 bit)))<br>and ((acknowledg\$3 receiv\$5) and<br>(overhead bit))  | USPAT;<br>EPO; JPO;<br>DERWENT              |    |     | 13:33               |
| S14 | 503 | 714/748.ccls.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2004/07/22<br>13:34 |
| S15 | 379 | 714/748.ccls. and ((acknowledg\$3<br>receiv\$5) and (overhead bit))  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2004/07/22<br>13:35 |
| S16 | 60  | ((714/748.ccls. and ((acknowledg\$3<br>receiv\$5) and (overhead bit))) and<br>crc) and ARQ   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2004/08/17<br>16:26 |
| S17 | 1   | "5717689".PN.  | USPAT                                       | OR | OFF | 2004/07/22<br>14:27 |
| S18 | 1   | "6021124".PN.  | USPAT                                       | OR | OFF | 2004/07/22<br>14:44 |
| S19 | 1   | "6505034".PN.  | USPAT                                       | OR | OFF | 2004/07/22<br>14:50 |
| S20 | 1   | "4901307".PN.  | USPAT                                       | OR | OFF | 2004/07/22<br>14:54 |
| S21 | 1   | "5103459".PN.  | USPAT                                       | OR | OFF | 2004/07/22<br>14:55 |
| S22 | 153 | (714/748.ccls. and ((acknowledg\$3<br>receiv\$5) and (overhead bit))) and<br>(refrain\$4 or avoid\$3 or cease\$ or<br>abstain\$4)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2004/07/22<br>15:02 |
| S23 | 66  | ((714/748.ccls. and ((acknowledg\$3<br>receiv\$5) and (overhead bit))) and<br>(refrain\$4 or avoid\$3 or cease\$ or<br>abstain\$4)) and ACK  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2006/06/27<br>10:43 |
| S24 | 0   | ((714/748.ccls. and ((acknowledg\$3<br>receiv\$5) and (overhead bit))) and<br>(refrain\$4 or avoid\$3 or cease\$ or<br>abstain\$4)) and ((transmit\$4 adj2<br>overhead) same encod\$3) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2004/07/22<br>15:33 |
| S25 | 0   | ((transmit\$4 adj2 overhead) same<br>encod\$3) and 370/394.ccls.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2004/07/22<br>15:34 |
| S26 | 2   | ((transmit\$4 adj2 overhead) same<br>encod\$3) and 370/474.ccls.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2004/07/22<br>15:34 |
| S27 | 56  | (transmit\$4 adj2 overhead) same<br>encod\$3   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2004/08/11<br>08:52 |
| S28 | 134 | (714/748.ccls. and ((acknowledg\$3<br>receiv\$5) and (overhead bit))) and<br>crc   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2004/07/22<br>17:35 |
| S29 | 537 | 370/394.ccls.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;            | OR | ON  | 2004/08/11<br>08:52 |

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|     |        |   | DERWENT                                     |    |    |                     |
| S30 | 1020   | 370/474.ccls.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2004/08/11<br>08:52 |
| S31 | 1501   | "1", 370/474.ccls.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2004/08/11<br>08:52 |
| S32 | 38     | ("1", 370/474.ccls.) and<br>(((acknowledg\$3 receiv\$5) and<br>(overhead bit)) and crc) and ARQ   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2004/08/12<br>13:08 |
| S33 | 220    | 375/358.ccls.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2004/08/11<br>10:29 |
| S34 | 1      | ((("1", 370/474.ccls.) and<br>(((acknowledg\$3 receiv\$5) and<br>(overhead bit)) and crc) and ARQ)<br>and 375/358.ccls.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2004/08/11<br>10:54 |
| S35 | 2      | 375/358.ccls. and (((acknowledg\$3<br>receiv\$5) and (overhead bit)) and<br>crc) and ARQ  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2004/08/12<br>09:59 |
| S36 | 5      | ((("1", 370/474.ccls.) and<br>(((acknowledg\$3 receiv\$5) and<br>(overhead bit)) and crc) and ARQ)<br>and (refrain or desist or abstain or<br>cease)                    | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2004/08/12<br>11:26 |
| S37 | 0      | ((("1", 370/474.ccls.) and<br>(((acknowledg\$3 receiv\$5) and<br>(overhead bit)) and crc) and ARQ)<br>and (refrain or desist or abstain or<br>cease)) and 375/358.ccls. | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2004/08/12<br>11:27 |
| S38 | 225    | "10", 375/358.ccls.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2004/08/12<br>11:27 |
| S39 | 155481 | (without over\$head) and (bit) and<br>(transmission)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2004/08/12<br>13:17 |
| S40 | 19510  | ((without over\$head) and (bit) and<br>(transmission)) and (acknowledg\$4)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2004/08/12<br>13:18 |
| S41 | 10060  | ((((without over\$head) and (bit) and<br>(transmission)) and (acknowledg\$4))<br>and (encod\$3)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2004/08/12<br>13:21 |
| S42 | 1677   | (((((without over\$head) and (bit) and<br>(transmission)) and (acknowledg\$4))<br>and (encod\$3)) and payload   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2004/08/12<br>13:22 |
| S43 | 260    | ((((((without over\$head) and (bit) and<br>(transmission)) and (acknowledg\$4))<br>and (encod\$3)) and payload) and<br>(refrain or abstain or cease)                    | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2004/08/12<br>13:23 |

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| S44 | 125   | (((((without overhead) and (bit) and (transmission)) and (acknowledg\$4)) and (encod\$3)) and payload) and (refrain or abstain or cease)) and combine   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2004/08/12<br>13:26 |
| S45 | 125   | (((((without overhead) and (bit) and (transmission)) and (acknowledg\$4)) and (encod\$3)) and payload) and (refrain or abstain or cease)) and (combine)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2004/08/12<br>13:26 |
| S46 | 125   | (((((without overhead) and (bit) and (transmission)) and (acknowledg\$4)) and (encod\$3)) and payload) and (refrain or abstain or cease)) and (combine)) and (original or first)                            | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2004/08/12<br>13:37 |
| S47 | 125   | ((((((without overhead) and (bit) and (transmission)) and (acknowledg\$4)) and (encod\$3)) and payload) and (refrain or abstain or cease)) and (combine)) and (original or first)) and (cod\$4 or encod\$3) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2005/12/21<br>14:25 |
| S48 | 2557  | 714/746-751.ccls.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2004/08/17<br>16:25 |
| S49 | 15898 | ((acknowledg\$3 receiv\$5) and (overhead bit)) and crc)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2004/08/17<br>16:28 |
| S50 | 1749  | (( ((acknowledg\$3 receiv\$5) and (overhead bit)) and crc)) and (original adj2 data)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2004/08/17<br>16:29 |
| S51 | 55    | 714/746-751.ccls. and (( ((acknowledg\$3 receiv\$5) and (overhead bit)) and crc)) and (original adj2 data)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2006/06/27<br>14:30 |
| S52 | 1     | "06594791"  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2004/08/17<br>16:32 |
| S53 | 1     | "6418549".PN.   | USPAT                                       | OR | OFF | 2004/08/17<br>16:43 |
| S54 | 3872  | ((refrain\$4 or hold\$4) adj transmi\$6)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2005/07/05<br>11:41 |
| S55 | 65    | S54 and ("714"/\$.ccls.)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2005/06/29<br>16:44 |
| S56 | 0     | "200200122337"  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2005/06/29<br>16:37 |
| S57 | 0     | "2002/00122337"   | US-PGPUB;<br>USPAT;<br>EPO; JPO;            | OR | ON  | 2005/06/29<br>16:37 |

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|     |       |   | DERWENT                                     |    |    |                     |
| S58 | 1     | "06839325"  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/06/29<br>16:38 |
| S59 | 814   | S54 and ("714"/\$.ccls.or "455"/\$.ccls.<br>or "370"/\$.ccls.)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/06/29<br>16:45 |
| S60 | 576   | S59 and ((acknowledg\$3 receiv\$5)<br>and (overhead bit))   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/06/29<br>16:47 |
| S61 | 435   | S60 and error\$3  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/06/29<br>16:47 |
| S62 | 12441 | (refrain\$4 or hold\$back or hold\$4 adj<br>(transmi\$6 or re\$transmi\$7))   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/07/05<br>11:46 |
| S63 | 1660  | S62 and ("714"/\$.ccls. or<br>"455"/\$.ccls. or "370"/\$.ccls.)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/07/05<br>11:46 |
| S64 | 1660  | S62 and ("714"/\$.ccls. or<br>"455"/\$.ccls. or "370"/\$.ccls.)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/07/05<br>11:48 |
| S65 | 954   | S64 and (over\$head bit) and<br>(encod\$3 or cod\$4)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/07/05<br>11:49 |
| S66 | 16    | S64 and (over\$head adj bit) and<br>(encod\$3 or cod\$4)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/07/05<br>12:55 |
| S67 | 17    | S64 and (over\$head adj bit)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/07/05<br>12:57 |
| S68 | 55    | S64 and (over\$head near4 bit)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/06/25<br>08:17 |
| S69 | 19    | S68 and (acknowledg\$3)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/07/05<br>12:58 |
| S70 | 204   | (((((((((without over\$head) and (bit)<br>and (transmission)) and<br>(acknowledg\$4)) and (encod\$3)) and<br>payload) and (refrain or abstain or<br>cease)) and (combine)) and (original<br>or first)) and (cod\$4 or encod\$3 or<br>uncod\$3 or uncoded) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/12/21<br>14:26 |
| S71 | 204   | (((((((((without or no adj over\$head)<br>and (bit) and (transmission)) and<br>(acknowledg\$4)) and (encod\$3)) and   | US-PGPUB;<br>USPAT;<br>EPO; JPO;            | OR | ON | 2005/12/21<br>15:12 |

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|     |         | payload) and (refrain or abstain or<br>cease)) and (combine)) and (original<br>or first)) and (cod\$4 or encod\$3 or<br>uncod\$3 or uncoded) | DERWENT                                     |    |    |                     |
| S72 | 1018847 | (transmit adj un\$cod\$3 adj data or<br>bits or symbol)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/12/21<br>15:13 |
| S73 | 670     | 370/394.ccls.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/12/21<br>15:13 |
| S74 | 1337    | 370/474.ccls.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/12/21<br>15:14 |
| S75 | 1932    | S73 S74  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/12/21<br>15:14 |
| S76 | 1591    | S72 and S75  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/12/21<br>15:14 |
| S77 | 500     | S76 and CRC  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/12/21<br>15:15 |
| S78 | 478     | S77 and (no or without adj<br>over\$head)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/12/21<br>15:16 |
| S79 | 243     | S78 and original   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/12/21<br>15:17 |
| S80 | 196     | S79 and plurality  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/12/21<br>15:18 |
| S81 | 115     | S80 and encod\$3   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/12/21<br>15:20 |
| S82 | 20      | S81 and ack and (nak or nack)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/06/19<br>14:59 |
| S83 | 1       | "6505034".PN.  | USPAT;<br>USOCR                             | OR | ON | 2005/12/21<br>15:42 |
| S84 | 75      | (encod\$3 with overhead) and ack<br>and (nak or nack)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/10/03<br>09:22 |
| S85 | 4551226 | (hold transmission of overhead bit)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/06/19<br>13:54 |
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| S86  | 75      | S84 and S85   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/06/19<br>13:40 |
| S87  | 2383591 | (hold or refrain transmi\$6 same<br>overhead bit)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/06/19<br>13:55 |
| S88  | 381435  | S87 and "375"/\$.ccls. or "370"/\$.ccls.<br>or "455"/\$.ccls. or "714"/\$.ccls.or<br>"340"/\$.ccls. | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/06/19<br>15:55 |
| S89  | 36908   | S88 and (encod\$3) and (produce<br>overhead)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/06/19<br>13:58 |
| S90  | 6       | S88 and (encod\$3) and (produce adj<br>overhead)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/06/19<br>14:22 |
| S91  | 5847608 | (transmit\$3 raw or original data )<br>exclude overhead   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/06/19<br>14:25 |
| S92  | 3628525 | S91 and (plurality adj1 original data)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/06/19<br>14:29 |
| S93  | 3628237 | S92 and (transmit only data)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/06/19<br>14:32 |
| S94  | 0       | (transmit adj without adj overhead)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/06/20<br>12:26 |
| S95  | 0       | (transmit\$4 adj without adj<br>overhead)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/06/19<br>15:01 |
| S96  | 30754   | (transmit\$4 adj original or raw adj<br>data)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/06/19<br>15:02 |
| S97  | 19495   | S96 and plurality   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/06/19<br>15:03 |
| S98  | 142     | S97 and (refrain or hold adj<br>transmi\$4)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/06/19<br>15:12 |
| S99  | 1196206 | (transmit or broadcast adj without adj<br>overhead)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/06/19<br>15:55 |
| S100 | 13718   | S96 and S99   | US-PGPUB;<br>USPAT;<br>EPO; JPO;            | OR | ON | 2006/06/19<br>15:55 |

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|      |         |  | DERWENT                                     |    |    |                     |
| S101 | 353494  | S100 and "375"/\$.ccls. or "370"/\$.ccls. or "455"/\$.ccls. or "714"/\$.ccls.or "340"/\$.ccls. | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/06/19<br>15:55 |
| S102 | 37744   | (transmit adj without adj overhead or preamble)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/06/20<br>12:34 |
| S103 | 27405   | S102 and (plurality data bit)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/06/20<br>12:28 |
| S104 | 493     | S102 and (plurality same data adj bit)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/06/20<br>12:28 |
| S105 | 493     | S102 and (plurality same (data adj bit))   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/06/20<br>12:36 |
| S106 | 131     | S105 and (refrain or stop)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/06/20<br>12:30 |
| S107 | 132     | S105 and (refrain\$3 or stop)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/06/20<br>12:37 |
| S108 | 202991  | (transmit adj without adj overhead or preamble or pilot)                                       | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/06/20<br>12:35 |
| S109 | 802     | S108 and (plurality same (data adj bit))   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/06/20<br>12:36 |
| S110 | 192     | S109 and (refrain\$3 or stop)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/06/20<br>12:37 |
| S111 | 4973    | S110 and ACK or NAK  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/06/20<br>12:38 |
| S112 | 4973    | S110 and "ACK" or "NAK"  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/06/20<br>12:39 |
| S113 | 2631143 | S112 and encod\$3 or cod\$3  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/06/20<br>12:40 |
| S114 | 1       | "20010056560".PN.  | US-PGPUB                                    | OR | ON | 2006/06/21<br>12:48 |
| S115 | 1       | "6009553".PN.  | USPAT;<br>USOCR                             | OR | ON | 2006/06/21<br>13:47 |
| S116 | 1       | "5878098".PN.  | USPAT;                                      | OR | ON | 2006/06/21          |



|      |       |   |   |    |    |                     |
|------|-------|---|---|----|----|---------------------|
|      |       |   | USOCR                                       |    |    | 13:55               |
| S117 | 1     | "5600663".PN.   | USPAT;<br>USOCR                             | OR | ON | 2006/06/21<br>13:56 |
| S118 | 1     | "4803685".PN.   | USPAT;<br>USOCR                             | OR | ON | 2006/06/21<br>14:15 |
| S119 | 360   | 370/278.ccls.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/06/21<br>16:52 |
| S120 | 480   | 370/282.ccls.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/06/21<br>16:52 |
| S121 | 2915  | 370/252.ccls.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/06/21<br>16:52 |
| S122 | 3673  | S119 S120 S121  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/06/21<br>16:52 |
| S123 | 73    | 714/746-751.ccls. and ((<br>(((acknowledg\$3 receiv\$5) and<br>(overhead bit)) and crc)) and<br>(original adj2 data)) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/06/21<br>16:54 |
| S124 | 3     | S123 and S122   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/06/21<br>16:54 |
| S125 | 14238 | (refrain\$4 or hold\$back or hold\$4 adj<br>(transmi\$6 or re\$transmi\$7))   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/06/25<br>08:17 |
| S126 | 2047  | S125 and ("714"/\$.ccls. or<br>"455"/\$.ccls. or "370"/\$.ccls.)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/06/25<br>08:17 |
| S127 | 590   | S126 and (over\$head or overhaed<br>near4 bit)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/06/25<br>08:17 |
| S128 | 681   | S126 and (over\$head or overhead or<br>header near4 bit)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/06/25<br>08:19 |
| S129 | 652   | S128 and (reference or original adj<br>data)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/06/25<br>08:20 |
| S130 | 29    | S128 and ((reference or original) adj<br>data)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/06/25<br>08:20 |
| S131 | 60    | S126 and (over\$head near4 bit)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/06/25<br>08:50 |
| S132 | 74    | 714/746-751.ccls. and ((  | US-PGPUB;                                   | OR | ON | 2007/10/02          |

|      |         |   |   |    |    |                     |
|------|---------|---|---|----|----|---------------------|
|      |         | ((acknowledg\$3 receiv\$5) and (overhead or redundant bit)) and crc)) and (original adj2 data)) | USPAT;<br>EPO; JPO;<br>DERWENT              |    |    | 13:12               |
| S133 | 1       | "6208663".PN.   | USPAT;<br>USOCR                             | OR | ON | 2006/06/26<br>08:23 |
| S134 | 1       | "5805816".PN.   | USPAT;<br>USOCR                             | OR | ON | 2006/06/26<br>08:27 |
| S135 | 0       | sipola.ccls.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/06/26<br>09:42 |
| S136 | 1387557 | (transmitter same refrain or avoid or abstain or desist or cease near4 transmitting)            | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/06/26<br>12:07 |
| S137 | 10765   | (transmitter same (refrain or avoid or abstain or desist or cease near4 transmitting))          | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/06/26<br>12:07 |
| S138 | 7678    | S137 and (plurality same original data)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/06/26<br>12:34 |
| S139 | 5       | S138 and (transmit adj original adj data)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/06/26<br>12:09 |
| S140 | 24      | S137 and (plurality same original adj data)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/06/26<br>13:29 |
| S141 | 362     | 370/278.ccls.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/06/26<br>13:30 |
| S142 | 480     | 370/282.ccls.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/06/26<br>13:30 |
| S143 | 2929    | 370/252.ccls.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/06/26<br>15:11 |
| S144 | 120     | S141 and (refrain or stop over\$head or overhead or CRC or checksum)                            | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/06/26<br>13:32 |
| S145 | 2700    | S143 and (transmit without over\$head or overhead)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/06/26<br>15:19 |
| S146 | 13      | S144 and S145   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/06/26<br>15:13 |
| S147 | 2700    | S143 and (transmit without over\$head or overhead)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;            | OR | ON | 2006/06/26<br>15:59 |

|      |        |  |   |    |    |                     |
|------|--------|--|---|----|----|---------------------|
|      |        |  | DERWENT                                     |    |    |                     |
| S148 | 2657   | S147 and (first transmission)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/06/26<br>15:22 |
| S149 | 120    | S147 and (first adj transmission)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/06/26<br>15:58 |
| S150 | 145142 | S149 and "375"/\$.cls. or<br>"370"/\$.cls. or "714"/\$.cls.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/06/26<br>15:58 |
| S151 | 17366  | S150 and (transmit adj without adj<br>over\$head or overhead)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/06/26<br>16:00 |
| S152 | 17131  | S151 and (encod\$3 adj1 overhead or<br>over\$head)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/06/26<br>16:01 |
| S153 | 14668  | S151 and (original adj data or signal)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/06/26<br>16:01 |
| S154 | 419    | S153 and "NACK"  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/06/26<br>16:02 |
| S155 | 190    | S154 and (refrain or stop or cease)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/06/26<br>16:03 |
| S156 | 168    | S155 and plurality   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/06/26<br>16:04 |
| S157 | 190    | S155 and (plurality of data bits)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/06/26<br>16:05 |
| S158 | 111    | S157 and combin\$3 and decod\$3  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/06/26<br>16:05 |
| S159 | 1      | (superpacket or super\$packet) and<br>selector and (data near path) and<br>encoder                                   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/06/27<br>10:46 |
| S160 | 11     | (superpacket or super\$packet) and<br>selector   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/07/05<br>15:59 |
| S161 | 73     | 714/746-751.cls. and ((<br>(((acknowledg\$3 receiv\$5) and<br>(overhead bit)) and crc)) and<br>(original adj2 data)) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/01/07<br>11:39 |
| S162 | 2      | "06289054"   | US-PGPUB;                                   | OR | ON | 2006/07/05          |

|      |         |   |  |    |    |                     |
|------|---------|---|--|----|----|---------------------|
|      |         |   | USPAT;<br>EPO; JPO;<br>DERWENT                       |    |    | 16:00               |
| S163 | 12      | (refrain\$3 adj1 transmit\$6 same overhead)   | US-PGPUB;<br>USPAT;<br>FPRS; EPO;<br>JPO;<br>DERWENT | OR | ON | 2007/01/07<br>10:41 |
| S164 | 3       | "06126310"  | US-PGPUB;<br>USPAT;<br>FPRS; EPO;<br>JPO;<br>DERWENT | OR | ON | 2007/01/07<br>10:42 |
| S165 | 91      | 714/746-751.ccls. and ((<br>(((acknowledg\$3 receiv\$5) and<br>(overhead bit)) and parity)) and<br>(original adj2 data))                            | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT          | OR | ON | 2007/01/07<br>11:39 |
| S166 | 1       | (path adj1 select\$3) same (ACK or<br>NACK or NAK) same encod\$3  | US-PGPUB;<br>USPAT;<br>FPRS; EPO;<br>JPO;<br>DERWENT | OR | ON | 2007/10/02<br>11:38 |
| S167 | 235     | (path adj1 select\$3) and (ACK or<br>NACK or NAK) and encod\$3  | US-PGPUB;<br>USPAT;<br>FPRS; EPO;<br>JPO;<br>DERWENT | OR | ON | 2007/10/02<br>11:43 |
| S168 | 139     | (path adj1 select\$3) and (ACK or<br>NACK or NAK) and encod\$3 and<br>(overhead or payload)   | US-PGPUB;<br>USPAT;<br>FPRS; EPO;<br>JPO;<br>DERWENT | OR | ON | 2007/10/02<br>12:05 |
| S169 | 829     | 702/57.ccls.  | US-PGPUB;<br>USPAT;<br>FPRS; EPO;<br>JPO;<br>DERWENT | OR | ON | 2007/10/02<br>12:06 |
| S170 | 1       | S168 and S169   | US-PGPUB;<br>USPAT;<br>FPRS; EPO;<br>JPO;<br>DERWENT | OR | ON | 2007/10/02<br>12:05 |
| S171 | 36      | S169 and (redundant) and (original<br>data bit\$2)  | US-PGPUB;<br>USPAT;<br>FPRS; EPO;<br>JPO;<br>DERWENT | OR | ON | 2007/10/02<br>12:07 |
| S172 | 2388    | "S321" and select\$3  | US-PGPUB;<br>USPAT;<br>FPRS; EPO;<br>JPO;<br>DERWENT | OR | ON | 2007/10/02<br>12:53 |
| S173 | 65      | 714/746-751.ccls. and ((<br>(((acknowledg\$3 receiv\$5) and<br>(overhead or redundant bit)) and<br>crc)) and (original adj2 data)) and<br>select\$3 | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT          | OR | ON | 2007/10/02<br>13:09 |
| S174 | 7773097 | (data path select other of the original<br>data bit)  | US-PGPUB;<br>USPAT;<br>FPRS; EPO;                    | OR | ON | 2007/10/02<br>13:09 |

|      |         |   |  |    |    |                     |
|------|---------|---|--|----|----|---------------------|
|      |         |   | JPO;<br>DERWENT                                      |    |    |                     |
| S175 | 159198  | (data path select other of the original data bit\$2) and overhead   | US-PGPUB;<br>USPAT;<br>FPRS; EPO;<br>JPO;<br>DERWENT | OR | ON | 2007/10/02<br>13:10 |
| S176 | 32      | S175 and 714/746-751.ccls. and (((acknowledg\$3 receiv\$5) and (overhead or redundant bit)) and crc)) and (original adj2 data)) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT          | OR | ON | 2007/10/08<br>11:12 |
| S177 | 1108    | 370/208.ccls.   | US-PGPUB;<br>USPAT;<br>FPRS; EPO;<br>JPO;<br>DERWENT | OR | ON | 2007/10/03<br>09:22 |
| S178 | 1092    | S177 and (select\$3 data path)  | US-PGPUB;<br>USPAT;<br>FPRS; EPO;<br>JPO;<br>DERWENT | OR | ON | 2007/10/03<br>09:23 |
| S179 | 2       | S177 and (select\$3 adj1 data same path)  | US-PGPUB;<br>USPAT;<br>FPRS; EPO;<br>JPO;<br>DERWENT | OR | ON | 2007/10/03<br>09:27 |
| S180 | 627     | S177 and (select\$3 adj1 data path)   | US-PGPUB;<br>USPAT;<br>FPRS; EPO;<br>JPO;<br>DERWENT | OR | ON | 2007/10/03<br>09:24 |
| S181 | 0       | S177 and (select\$3 adj1 data adj1 path)  | US-PGPUB;<br>USPAT;<br>FPRS; EPO;<br>JPO;<br>DERWENT | OR | ON | 2007/10/03<br>09:25 |
| S182 | 4       | S177 and (select\$3 same data adj1 path)  | US-PGPUB;<br>USPAT;<br>FPRS; EPO;<br>JPO;<br>DERWENT | OR | ON | 2007/10/03<br>09:25 |
| S183 | 181     | encod\$3 same (select\$3 adj1 data same path)   | US-PGPUB;<br>USPAT;<br>FPRS; EPO;<br>JPO;<br>DERWENT | OR | ON | 2007/10/03<br>09:28 |
| S184 | 39      | S183 and (original adj1 data)   | US-PGPUB;<br>USPAT;<br>FPRS; EPO;<br>JPO;<br>DERWENT | OR | ON | 2007/10/03<br>09:28 |
| S185 | 8584480 | (transmitter to receive data and encode or code data received)  | US-PGPUB;<br>USPAT;<br>FPRS; EPO;<br>JPO;<br>DERWENT | OR | ON | 2007/10/08<br>11:13 |
| S186 | 587     | 375/262.ccls.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT          | OR | ON | 2007/10/08<br>11:15 |

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|------|---------|--|--|----|----|---------------------|
| S187 | 934     | 375/285.ccls.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT          | OR | ON | 2007/10/08<br>11:15 |
| S188 | 1079    | 375/259.ccls.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT          | OR | ON | 2007/10/08<br>11:15 |
| S189 | 587     | 375/262.ccls.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT          | OR | ON | 2007/10/08<br>11:15 |
| S190 | 658     | 375/265.ccls.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT          | OR | ON | 2007/10/08<br>11:16 |
| S191 | 3010    | S186 S187 S188 S189 S190   | US-PGPUB;<br>USPAT;<br>FPRS; EPO;<br>JPO;<br>DERWENT | OR | ON | 2007/10/08<br>11:17 |
| S192 | 8584480 | (transmitter to receive data and<br>encode or code data received)          | US-PGPUB;<br>USPAT;<br>FPRS; EPO;<br>JPO;<br>DERWENT | OR | ON | 2007/10/08<br>11:18 |
| S193 | 2853    | S191 and S192  | US-PGPUB;<br>USPAT;<br>FPRS; EPO;<br>JPO;<br>DERWENT | OR | ON | 2007/10/08<br>11:17 |
| S194 | 34937   | (transmitter same receive adj1 data<br>same encode or code adj2 received)  | US-PGPUB;<br>USPAT;<br>FPRS; EPO;<br>JPO;<br>DERWENT | OR | ON | 2007/10/08<br>11:20 |
| S195 | 4817    | S194 and (overhead CRC)  | US-PGPUB;<br>USPAT;<br>FPRS; EPO;<br>JPO;<br>DERWENT | OR | ON | 2007/10/08<br>11:20 |
| S196 | 40      | S195 and (select\$3 adj1 path)   | US-PGPUB;<br>USPAT;<br>FPRS; EPO;<br>JPO;<br>DERWENT | OR | ON | 2007/10/08<br>11:41 |
| S197 | 7       | (select\$3 adj1 original adj data same<br>overhead)                        | US-PGPUB;<br>USPAT;<br>FPRS; EPO;<br>JPO;<br>DERWENT | OR | ON | 2007/10/08<br>11:45 |
| S198 | 2897212 | ((select\$3 adj1 path) same overhead<br>same encod\$3 or cod\$3)           | US-PGPUB;<br>USPAT;<br>FPRS; EPO;<br>JPO;<br>DERWENT | OR | ON | 2007/10/09<br>08:03 |
| S199 | 2897211 | ((select\$3 adj1 data adj1 path) same<br>overhead same encod\$3 or cod\$3) | US-PGPUB;<br>USPAT;<br>FPRS; EPO;                    | OR | ON | 2007/10/08<br>11:48 |

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|------|---------|---|--|----|----|---------------------|
|      |         |   | JPO;<br>DERWENT                                      |    |    |                     |
| S200 | 88      | 714/746-751.ccls. and ((<br>(((acknowledg\$3 receiv\$5) and<br>(overhead bit)) and crc)) and<br>(original adj2 data)) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT          | OR | ON | 2007/10/08<br>11:49 |
| S201 | 85      | S199 and S200   | US-PGPUB;<br>USPAT;<br>FPRS; EPO;<br>JPO;<br>DERWENT | OR | ON | 2007/10/08<br>12:46 |
| S202 | 0       | S201 and 375/341.ccls.  | US-PGPUB;<br>USPAT;<br>FPRS; EPO;<br>JPO;<br>DERWENT | OR | ON | 2007/10/08<br>12:46 |
| S203 | 1477    | 375/341.ccls.   | US-PGPUB;<br>USPAT;<br>FPRS; EPO;<br>JPO;<br>DERWENT | OR | ON | 2007/10/08<br>12:47 |
| S204 | 116     | S194 and S203   | US-PGPUB;<br>USPAT;<br>FPRS; EPO;<br>JPO;<br>DERWENT | OR | ON | 2007/10/08<br>12:47 |
| S205 | 2897987 | ((select\$3 adj1 original adj1 data)<br>same (overhead or redundant adj<br>bit\$1) same encod\$3 or cod\$3)           | US-PGPUB;<br>USPAT;<br>FPRS; EPO;<br>JPO;<br>DERWENT | OR | ON | 2007/10/09<br>08:05 |
| S206 | 2897987 | ((select\$3 adj1 original adj1 data)<br>near1 (overhead or redundant adj<br>bit\$1) same encod\$3 or cod\$3)          | US-PGPUB;<br>USPAT;<br>FPRS; EPO;<br>JPO;<br>DERWENT | OR | ON | 2007/10/09<br>08:06 |
| S207 | 2897987 | ((select\$3 adj original adj data) near1<br>(overhead or redundant adj bit\$1)<br>same encod\$3 or cod\$3)            | US-PGPUB;<br>USPAT;<br>FPRS; EPO;<br>JPO;<br>DERWENT | OR | ON | 2007/10/09<br>08:07 |
| S208 | 2897987 | ((select\$3 adj original adj data) near1<br>(overhead or redundant adj bit\$1)<br>near encod\$3 or cod\$3)            | US-PGPUB;<br>USPAT;<br>FPRS; EPO;<br>JPO;<br>DERWENT | OR | ON | 2007/10/09<br>08:08 |
| S209 | 2897987 | ((select\$3 adj original adj data) near<br>(overhead or redundant adj bit\$1)<br>near encod\$3 or cod\$3)             | US-PGPUB;<br>USPAT;<br>FPRS; EPO;<br>JPO;<br>DERWENT | OR | ON | 2007/10/09<br>08:38 |
| S210 | 239181  | S209 and algorithm  | US-PGPUB;<br>USPAT;<br>FPRS; EPO;<br>JPO;<br>DERWENT | OR | ON | 2007/10/09<br>08:09 |
| S211 | 3034    | S209 and (encoding adj algorithm)   | US-PGPUB;<br>USPAT;<br>FPRS; EPO;<br>JPO;            | OR | ON | 2007/10/09<br>08:39 |

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|------|---------|---|--|----|----|---------------------|
|      |         |   | DERWENT  |    |    |                     |
| S212 | 77      | S211 and ACK  | US-PGPUB;<br>USPAT;<br>FPRS; EPO;<br>JPO;<br>DERWENT | OR | ON | 2007/10/09<br>08:10 |
| S213 | 2897987 | ((select\$3 adj original adj data) near<br>(overhead or redund\$5 adj bit\$1)<br>near encod\$3 or cod\$3)                       | US-PGPUB;<br>USPAT;<br>FPRS; EPO;<br>JPO;<br>DERWENT | OR | ON | 2007/10/09<br>08:41 |
| S214 | 438793  | S213 and (encod\$4 or cod\$4 adj<br>algorithm)  | US-PGPUB;<br>USPAT;<br>FPRS; EPO;<br>JPO;<br>DERWENT | OR | ON | 2007/10/09<br>08:42 |
| S215 | 2897987 | ((select\$3 adj original adj data adj<br>bit\$1) near (overhead or redund\$5<br>adj bit\$1) near encod\$3 or cod\$3)            | US-PGPUB;<br>USPAT;<br>FPRS; EPO;<br>JPO;<br>DERWENT | OR | ON | 2007/10/09<br>08:41 |
| S216 | 8674    | S215 and (encod\$4 or cod\$4 adj<br>algorithm) and ACK  | US-PGPUB;<br>USPAT;<br>FPRS; EPO;<br>JPO;<br>DERWENT | OR | ON | 2007/10/09<br>08:47 |
| S217 | 2259    | S216 and (communication adj<br>channel)   | US-PGPUB;<br>USPAT;<br>FPRS; EPO;<br>JPO;<br>DERWENT | OR | ON | 2007/10/09<br>08:47 |
| S218 | 133     | S216 and (data adj communication<br>adj channel)  | US-PGPUB;<br>USPAT;<br>FPRS; EPO;<br>JPO;<br>DERWENT | OR | ON | 2007/10/09<br>08:48 |
| S219 | 2       | "20030206561"   | US-PGPUB;<br>USPAT;<br>FPRS; EPO;<br>JPO;<br>DERWENT | OR | ON | 2008/08/27<br>13:23 |
| S220 | 296     | 714/746-758.cds. and ((<br>(((acknowledg\$3 receiv\$5) and<br>(overhead bit)) and crc)) and<br>(original adj2 data))            | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT          | OR | ON | 2008/08/27<br>23:41 |
| S221 | 150     | 714/746-758.cds. and ((<br>(((acknowledg\$3 receiv\$5) and<br>(overhead bit)) and crc)) and<br>(original adj2 data)) and parity | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT          | OR | ON | 2008/08/27<br>23:41 |
| S222 | 92      | S221 and (data near4 bit\$2) same<br>(cyclical redundancy or CRC)   | US-PGPUB;<br>USPAT;<br>FPRS; EPO;<br>JPO;<br>DERWENT | OR | ON | 2008/08/27<br>23:44 |
| S223 | 78      | S222 and encod\$3   | US-PGPUB;<br>USPAT;<br>FPRS; EPO;<br>JPO;<br>DERWENT | OR | ON | 2008/08/27<br>23:45 |
|      |         |   |  |    |    |                     |



|      |         |  |   |    |    |                  |
|------|---------|--|---|----|----|------------------|
| S224 | 2146525 | (hold or refrain near3 transmi\$6 same overhead adj1 bit\$1)   | US-PGPUB; USPAT; EPO; JPO; DERWENT          | OR | ON | 2009/05/21 19:07 |
| S225 | 16      | (hold or refrain near3 transmi\$6) same (overhead adj1 bit\$1)   | US-PGPUB; USPAT; EPO; JPO; DERWENT          | OR | ON | 2009/05/21 19:07 |
| S226 | 4755942 | (determin\$3 or check\$3 near3 data adj receiv\$3 near2 correct\$3)  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/05/21 19:20 |
| S227 | 370     | ((determin\$3 or check\$30 near3 data) adj receiv\$3 near2 correct\$3)   | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/05/21 19:21 |
| S228 | 370     | ((((determin\$3 or check\$30 near3 data) adj receiv\$3) near2 correct\$3)  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/05/21 19:21 |
| S229 | 4       | transmitter same (original near1 data near1 (cyclical adj redundancy adj check or CRC)) and receiver and (determin\$4 or acknowledg\$3 or ACK) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/05/19 17:01 |
| S230 | 3977321 | (encod\$3 or cod\$3 or append\$4 near1 data near1 (cyclical redundancy check or CRC))  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/05/19 17:28 |
| S231 | 2144    | ((encod\$3 or cod\$3 or append\$4) near1 data near1 (cyclical redundancy check or CRC))  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/05/19 17:28 |
| S232 | 0       | ((encod\$3 or cod\$3 or append\$4) near1 data near1 (cyclical redundancy check or CRC)) and (check\$3 near CRC near1 request\$4 near1 parity)  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/05/19 17:40 |
| S233 | 0       | ((encod\$3 or cod\$3 or append\$4) near1 data near1 (cyclical redundancy check or CRC)) and (check\$3 near2 CRC near1 request\$4 near1 parity) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/05/19 17:41 |
| S234 | 0       | ((encod\$3 or cod\$3 or append\$4) near1 data near1 (cyclical redundancy check or CRC)) and (request\$4 near1 parity near2 error)              | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/05/19 17:42 |
| S235 | 4       | transmitter same (original near1 data near1 (cyclical adj redundancy adj check or CRC)) and receiver and (determin\$4 or acknowledg\$3 or ARQ) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/05/19 17:48 |
| S236 | 165     | ((encod\$3 or cod\$3 or append\$4) near1 data near1 (cyclical  | US-PGPUB; USPAT;                            | OR | ON | 2010/05/19 17:52 |

|      |      |  |   |    |    |                  |
|------|------|--|---|----|----|------------------|
|      |      | redundancy check or CRC)) and (CRC near1 check\$3 same ACK or NAK same error)  | EPO; JPO; DERWENT; IBM_TDB                  |    |    |                  |
| S237 | 198  | ((encod\$3 or cod\$3 or append\$4) near1 data near1 (cyclical redundancy check or CRC)) and (CRC near1 check\$3near2 error same ACK or NAK)  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/05/19 17:53 |
| S238 | 143  | ((encod\$3 or cod\$3 or append\$4) near1 data near1 (cyclical redundancy check or CRC)) and decod\$3 and (CRC near1 check\$3 near2 error same ACK or NAK)                                | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/05/19 17:54 |
| S239 | 0    | ((encod\$3 or cod\$3 or append\$4) near1 data near1 (cyclical redundancy check or CRC)) and decod\$3 and (CRC near1 check\$3 near2 error same ACK or NAK) and (request near2 parity)     | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/05/19 17:58 |
| S240 | 2    | ((encod\$3 or cod\$3 or append\$4) near1 data near1 (cyclical redundancy check or CRC)) and decod\$3 and (CRC near1 check\$3 near2 error same ACK or NAK) and (transmit\$4 near2 parity) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/05/19 17:58 |
| S241 | 1    | "20030227875".PN.  | US-PGPUB                                    | OR | ON | 2010/05/19 19:02 |
| S242 | 1    | "20020196812".PN.  | US-PGPUB                                    | OR | ON | 2010/05/19 19:03 |
| S243 | 1    | "6757859".PN.  | USPAT; USOCR                                | OR | ON | 2010/05/19 19:03 |
| S244 | 1    | "6304995".PN.  | USPAT; USOCR                                | OR | ON | 2010/05/19 19:06 |
| S245 | 1    | "5721745".PN.  | USPAT; USOCR                                | OR | ON | 2010/05/19 19:51 |
| S246 | 1    | "5475716".PN.  | USPAT; USOCR                                | OR | ON | 2010/05/19 19:55 |
| S247 | 3615 | (repeat\$3 near1 request) and (error near2 correct\$4)   | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/05/19 19:57 |
| S248 | 3473 | (repeat\$3 near1 request) and (error near1 correct\$4)   | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/05/19 19:58 |
| S249 | 1536 | (repeat\$3 near1 request) same (error near1 correct\$4)  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/05/19 19:58 |
| S250 | 1155 | (repeat\$3 near1 request) same (error near1 correct\$4) and (cyclical redundancy check or CRC)   | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/05/19 19:59 |
| S251 | 106  | (repeat\$3 near1 request) same (error  | US-PGPUB;                                   | OR | ON | 2010/05/19       |

|      |      |   |   |    |    |                     |
|------|------|---|---|----|----|---------------------|
|      |      | near1 correct\$4) same parity and<br>(cyclical redundancy check or CRC)         | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB              |    |    | 19:59               |
| S252 | 1278 | S230 and (error with CRC) same<br>retransmis\$6                                 | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2010/05/19<br>22:14 |
| S253 | 110  | S231 and (error with CRC) same<br>retransmis\$6                                 | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2010/05/19<br>22:14 |
| S254 | 1    | "6317418".PN.   | USPAT;<br>USOCR   | OR | ON | 2010/05/20<br>09:07 |
| S255 | 124  | ((retransmi\$6 or re-transmi\$6) near2<br>parity near bit\$1)                   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2010/05/20<br>09:55 |
| S256 | 15   | ((retransmi\$6 or re-transmi\$6) near2<br>parity near bit\$1) same CRC          | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2010/05/20<br>09:56 |
| S257 | 1    | "6438723".PN.   | USPAT;<br>USOCR   | OR | ON | 2010/05/20<br>10:05 |
| S258 | 1    | "5684791".PN.   | USPAT;<br>USOCR   | OR | ON | 2010/05/20<br>10:43 |
| S259 | 122  | ((retransmi\$6 or re-transmi\$6) near2<br>parity near bit\$1) and( CRC error)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2010/05/20<br>11:02 |
| S260 | 187  | (NACK or NAK near2 CRC) and<br>(transmi\$6 near2 parity)                        | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2010/05/22<br>16:27 |
| S261 | 39   | (NACK or NAK near2 CRC) same<br>(transmi\$6 near2 parity)                       | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2010/05/22<br>16:27 |
| S262 | 845  | (NACK or NAK near2 CRC) same<br>(transmi\$6 near2 parity or<br>redundan\$3)     | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2010/05/22<br>16:35 |
| S263 | 125  | (NACK or NAK near2 CRC) same<br>(transmi\$6 near2 (parity or<br>redundan\$3))   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2010/05/22<br>16:36 |
| S264 | 0    | ((NACK or NAK) near2 CRC) same<br>(transmi\$6 near2 (parity or<br>redundan\$3)) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;            | OR | ON | 2010/05/22<br>16:36 |

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|      |      |  | IBM_TDB                                     |    |    |                  |
| S265 | 32   | ((NACK or NAK) near2 CRC) and (transmi\$6 near2 (parity or redundan\$3))   | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/05/22 16:37 |
| S266 | 4    | "05359595", "06240073"   | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2011/01/10 16:24 |
| S267 | 1053 | 370/343.ccls.  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2011/01/10 16:28 |
| S268 | 28   | S267 and (first near mode) and switch\$4   | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2011/01/10 16:29 |
| S269 | 2230 | (switch\$4 near2 communication near1 mode)   | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2011/01/10 16:50 |
| S270 | 2    | (switch\$4 near2 communication near1 mode) and 375/262.ccls.   | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2011/01/10 16:52 |
| S271 | 1    | "5311546".PN.  | USPAT; USOCR                                | OR | ON | 2011/01/10 16:53 |
| S272 | 1    | "5742646".PN.  | USPAT; USOCR                                | OR | ON | 2011/01/10 16:54 |
| S273 | 188  | ((NACK or NAK) same CRC) and (transmi\$6 near2 (parity or redundan\$3)) and controller                                 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2011/01/10 18:11 |
| S274 | 4    | ((NACK or NAK) same CRC) and (transmi\$6 near2 (parity or redundan\$3)) and controller and (switch\$4 near1 operat\$3) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2011/01/10 18:12 |
| S275 | 109  | ((NACK or NAK) same CRC) and (transmi\$6 near2 (parity or redundan\$3)) and controller and (switch\$4)                 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2011/01/10 18:16 |
| S276 | 23   | controller same (communicat\$3 same (mode or rate)) same (NACK or NAK) and master and slave                            | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2011/01/10 21:01 |
| S277 | 8    | controller same (switch\$3 same communicat\$3 same (mode or rate)) same (NACK or NAK)                                  | US-PGPUB; USPAT; EPO; JPO; DERWENT;         | OR | ON | 2011/01/10 21:06 |

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|      |     |  | IBM_TDB   |    |    |                     |
| S278 | 949 | 375/220.ccls.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2011/01/10<br>21:11 |
| S279 | 708 | 375/220.ccls. and (switch\$3 same<br>mode or rate)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2011/01/10<br>21:15 |
| S280 | 37  | 375/220.ccls. and (switch\$3 same<br>communicat\$4 near2 (frequency or<br>mode or rate))   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2011/01/10<br>21:16 |
| S281 | 80  | 375/220.ccls. and (switch\$3 same<br>operat\$3 near2 (frequency or mode<br>or rate))   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2011/01/10<br>21:38 |
| S282 | 386 | (wireless near personal near area<br>near network or WPAN) and<br>(switch\$3 same operat\$3 near2<br>(frequency or mode or rate))                      | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2011/01/10<br>21:41 |
| S283 | 43  | (wireless near personal near area<br>near network or WPAN) and<br>(switch\$3 same operat\$3 near2<br>(frequency or mode or rate)) and<br>(ACK or NACK) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2011/01/10<br>21:41 |
| S284 | 932 | 375/262.ccls.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT             | OR | ON | 2011/01/10<br>21:47 |
| S285 | 34  | S284 and (ARQ)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2011/01/10<br>21:49 |
| S286 | 18  | "455"/\$.ccls. and S283  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2011/01/10<br>22:01 |
| S287 | 31  | (multiple near1 rate near1 encod\$3)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2011/01/10<br>22:39 |
| S288 | 299 | (bluetooth same master same slave)<br>and (communication near1 mode)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2011/01/11<br>14:35 |
| S289 | 55  | (bluetooth same master same slave)<br>and (communication near1 mode<br>same switch\$4) and control\$4  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2011/01/11<br>14:37 |

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| S290 | 1211 | (bluetooth or blue-tooth same master same slave) and (communication near1 mode same switch\$4) and control\$4  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2011/01/11 14:43 |
| S291 | 337  | (bluetooth or blue-tooth same master same slave) and (communication near mode same switch\$4 same control\$4)  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2011/01/11 14:44 |
| S292 | 1    | "06516202"   | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2011/01/11 14:54 |
| S293 | 1    | "06781575"   | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2011/05/04 07:50 |
| S294 | 1979 | (mode near switch\$4) same receiver  | USPAT                                       | OR | OFF | 2011/08/18 15:04 |
| S295 | 29   | (mode near switch\$4) same receiver same encod\$3 same (establish\$3 or connect\$3)  | USPAT                                       | OR | OFF | 2011/08/18 15:06 |
| S296 | 670  | (switch\$4 near2 communication near2 mode) and (communication same system)   | USPAT                                       | OR | OFF | 2011/09/11 23:59 |
| S297 | 1161 | (switch\$4 near2 communication near2 mode\$1) and (communication same system)  | USPAT                                       | OR | ON  | 2011/09/12 00:00 |
| S298 | 555  | (switch\$4 near communication near mode\$1) and (communication same system)  | USPAT                                       | OR | ON  | 2011/09/12 00:00 |
| S299 | 429  | (switch\$4 near1 communication near1 mode\$1) and (mak\$3 or establih\$3 same communication same system)   | USPAT                                       | OR | ON  | 2011/09/12 00:01 |
| S300 | 24   | (switch\$4 near1 communication near1 mode\$1) and (mak\$3 or establih\$3 same communication same system) and (receiv\$4 same original same data)             | USPAT                                       | OR | ON  | 2011/09/12 00:02 |
| S301 | 44   | (switch\$4 near1 communication near3 mode\$1) and (mak\$3 or establih\$3 same communication same system) and (receiv\$4 same original same data)             | USPAT                                       | OR | ON  | 2011/09/12 10:15 |
| S302 | 5    | (switch\$4 near1 mode with communication near3 device\$1) and (mak\$3 or establih\$3 same communication same system) and (receiv\$4 same original same data) | USPAT                                       | OR | ON  | 2011/09/12 10:18 |
| S303 | 1    | "07007239"   | USPAT                                       | OR | OFF | 2011/09/12 10:34 |
| S304 | 1    | "07333776"   | USPAT                                       | OR | OFF | 2011/09/12 10:43 |
| S305 | 1    | "6154665".PN.  | USPAT;                                      | OR | OFF | 2011/09/12       |

|      |         |  |                 |    |     |                  |
|------|---------|--|-----------------|----|-----|------------------|
|      |         |  | USOCR           |    |     | 11:02            |
| S306 | 4149197 | (switch\$4 near3 mode between communicating devices)   | USPAT           | OR | OFF | 2011/09/12 11:05 |
| S307 | 24      | (switch\$4 near3 mode same communicating near2 devices)  | USPAT           | OR | OFF | 2011/09/12 11:06 |
| S308 | 100     | (switch\$4 near1 communication near1 mode\$1) and ((mak\$3 or establih\$3) same communication same system)                                 | USPAT           | OR | ON  | 2011/09/12 11:20 |
| S309 | 11      | (switch\$4 near1 communication near1 mode\$1) same ((mak\$3 or establih\$3) same communication same system)                                | USPAT           | OR | ON  | 2011/09/12 11:21 |
| S310 | 1473    | (switch\$4 near3 mode same communicat\$4 near3 device\$1)  | USPAT           | OR | OFF | 2011/09/12 12:11 |
| S311 | 403     | (switch\$4 near1 mode same communicat\$4 near2 device\$1)  | USPAT           | OR | OFF | 2011/09/12 12:12 |
| S312 | 49      | (switch\$4 near1 mode) same (switch\$4 near2 communicat\$4 near2 device\$1)  | USPAT           | OR | OFF | 2011/09/12 12:13 |
| S313 | 2       | (transmit\$5 near3 bit\$1) same (switch\$4 near1 communication near1 mode\$1) and ((mak\$3 or establih\$3) same communication same system) | USPAT           | OR | ON  | 2011/09/12 12:34 |
| S314 | 15      | (transmit\$5 near3 data) same (switch\$4 near1 communication near1 mode\$1) and ((mak\$3 or establih\$3) same communication same system)   | USPAT           | OR | ON  | 2011/09/12 12:36 |
| S315 | 1       | "4975952".PN.  | USPAT;<br>USOCR | OR | OFF | 2011/09/12 14:00 |
| S316 | 1       | "4344171".PN.  | USPAT;<br>USOCR | OR | OFF | 2011/09/12 14:00 |
| S317 | 198     | (switch\$4 near3 mode same bluetooth)  | USPAT           | OR | OFF | 2011/09/12 14:04 |
| S318 | 4       | (switch\$4 near1 communication near2 mode same bluetooth)  | USPAT           | OR | OFF | 2011/09/12 14:05 |
| S319 | 9       | (switch\$4 near3 communication near2 mode same bluetooth)  | USPAT           | OR | OFF | 2011/09/12 14:07 |
| S320 | 9       | (switch\$4 near3 communication near3 mode same bluetooth)  | USPAT           | OR | OFF | 2011/09/12 14:07 |
| S321 | 431     | (control\$4 same switch\$3 near2 communicat\$4 near2 mode)   | USPAT           | OR | OFF | 2011/09/12 14:10 |
| S322 | 32      | (control\$4 same switch\$3 near2 communicat\$4 near2 mode) and bluetooth   | USPAT           | OR | OFF | 2011/09/12 14:10 |
| S323 | 654     | (control\$4 same switch\$3 near2 mode) and bluetooth   | USPAT           | OR | OFF | 2011/09/12 14:29 |
| S324 | 1       | "07437168"   | USPAT           | OR | OFF | 2011/09/12 14:46 |
| S325 | 17      | (switch\$4 near2 operat\$4 near2 mode same bluetooth)  | USPAT           | OR | OFF | 2011/09/12 14:51 |

9/ 12/ 2011 5:54:55 PM

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